

SEQUENCE LISTING

<110> Cannon, Paul David
Sankuratri, Suryanarayana

<120> Human Intestinal Npt2B

<130> ROCH-001

<150> 60/119,321
<151> 1999-02-09

<160> 2

<170> FastSEQ for Windows Version 4.0

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Trp Ser Glu Arg Asp Thr Lys Gly Lys Ile Leu Cys Phe Phe Gln Gly
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For: "Human Intestinal Npt2B"
Docket No. ROCH-001DIV

FIG. 1

1 MAPWPELGDA QPNPDKYLEG AAGQQPTAPD KSKETNKNNT EAPVTKIELL
51 PSYSTATLID EPTEVDDPWN LPTLQDSGIK WSERDTKGKI LCFFQGIGRL
101 ILLLGFLYFF VCSLDILSSA FQLVGGKMAQ QFFSNSSIMS NPLLGLVIGV
151 LVTVLVQSSS TSTSIVVSMV SSSLTVRAA IPIIMGANIG TSITNTIVAL
201 MQVGDRSEFR RAFAGATVHD FFNWLSVLVLPVEVATHYL EIITQLIVES
251 FHFKNGEDAP DLLKVITKPF TKLIVQLDKK VISQIAMNDE KAKNKSLVKI
301 WCKTFTNKTQ INVTPSTAN CTSPSLCWTD GIQNWTMKNV TYKENIAKCQ
351 HIFVNFHLPD LAVGTILLIL SLLVLCGCLI MIVKILGSVL KGQVATVIKK
401 TINTDFPFPE AWLTGYLAIL VGAGMTFIVQ SSSVFTSALT PLIGIGVITI
451 ERAYPLTLGS NIGTTTAIL AALASPGNAL RSSLQIALCH FFFNISGILL
501 WYPIPFTRLP IRMAKGLGNI SAKYRWFAVF YLIIFFFLIP LTVFGLSLAG
551 WRVLVGVGVP VVFIIILVLC LRLLQSRCPR VLPKKLQNWN FLPLWMRSLK
601 PWDAVVSKFT GCFQMRCCCC CRVCCRACCL LCGCPKCCRC SKCCEDLEEA
651 QEGQDVPKA PETFDNITIS REAQGEVPAS DSKTECTAL* (SEQ ID NO:01)

FIG. 2i

1 CTGACGTAGG CCCAGCACCT GCGGAGGGAG CGCTGACCAT GGCTCCCTGG
51 CCTGAATTGG GAGATGCCA GCCCAACCCC GATAAGTACC TCGAAGGGC
101 CGCAGGTCAAG CAGCCCCACTG CCCCTGATAA AAGCAAAGAG ACCAACAAAA
151 ATAACACTGA GGCAACTGTG ACCAAGATTG AACTTCTGCC GTCCTACTCC
201 ACGGCTACAC TGATAGATGA GCCCCACTGAG GTGGATGACC CCTGGAACCT
251 ACCCACTCTT CAGGACTCGG GGATCAAGTG GTCAGAGAGA GACACCAAAG
301 GGAAGATTCT CTGTTTCTTC CAAGGGATTG GGAGATTGAT TTTACTTCTC
351 GGATTTCTCT ACTTTTCTCGT GTGCTCCCTG GATATTCTTA GTAGGCCTT
401 CCAGCTGGTT GGAGGAAAAAA TGGCAGGACA GTTCTTCAGC AACAGCTCTA
451 TTATGTCCAA CCCTTTGTG GGGCTGGTGA TCGGGGTGCT GGTGACCGTC
501 TTGGTGAGA GCTCCAGCAC CTCAACGTCC ATCGTTGTCA GCATGGTGTC
551 CTCTTCATTG CTCACTGTTC GGGCTGCCAT CCCCATTATC ATGGGGGCCA
601 ACATTGGAAC GTCAATCACC AACACTATTG TTGCGCTCAT GCAGGTGGGA
651 GATCGGAGTG AGTTCAGAAG AGCTTTGCA GGAGCCACTG TCCATGACTT
701 CTTCAACTGG CTGTCCGTGT TGGTGCTCTT GCCCCGTGGAG GTGGCCACCC
751 ATTACCTCGA GATCATAACC CAGCTTATAG TGGAGAGCTT CCACCTCAAG
801 AATGGAGAAG ATGCCCGAGA TCTTCTGAAA GTCACTCACTA AGCCCTTCAC
851 AAAGCTCATT GTCCAGCTGG ATAAAAAAAGT TATCAGCCAA ATTGCAATGA
901 ACGATGAAAA AGCGAAAAAAC AAGAGTCTTG TCAAGATTG GTGCAAAACT
951 TTTACCAACA AGACCCAGAT TAACGTCACT GTTCCCTCGA CTGCTAACTG
1001 CACCTCCCT TCCCTCTGTG GGACGGATGG CATCCAAAAC TGGACCATGA
1051 AGAATGTGAC CTACAAGGAG AACATGCCA AATGCCAGCA TATCTTGTG
1101 AATTTCACC TCCCAGGATCT TGCTGTGGGC ACCATCTTGC TCATACTCTC
1151 CCTGCTGGTC CTCTGTGGTT GCCTGATCAT GATTGTCAAG ATCCTGGGCT
1201 CTGTCTCAA GGGGCAGGTC GCCACTGTCA TCAAGAAGAC CATCAACACT
1251 GATTTCCCT TTCCCTTTGC ATGGTTGACT GGCTACCTGG CCATCCTCGT
1301 CGGGGCAGGC ATGACCTTCA TCGTACAGAG CAGCTCTGTG TTCACGTCGG
1351 CCTTGACCCC CCTGATTGGA ATCGGGTGA TAACCATTGA GAGGGCTTAT
1401 CCACTCACGC TGGGCTCCAA CATCGGCACC ACCACCACCG CCATCCTGGC
1451 CGCCTTAGCC AGCCCTGGCA ATGCATTGAG GAGTTCACTC CAGATCGCCC
1501 TGTGCCACTT TTTCTTCAAC ATCTCCGGCA TCTTGCTGTG GTACCCGATC
1551 CCGTTCACTC GCCTGCCCAT CCGCATGGCC AAGGGCTGG GCAACATCTC
1601 TGCCAAGTAT CGCTGGTTCG CCGTCTTCTA CCTGATCATC TTCTCTTCC
1651 TGATCCCGCT GACGGTGTCTT GGCCTCTCGC TGGCCGGCTG GCGGGTGTG
1701 GTTGGTGTG GGGTTCCCGT CGTCTTCATC ATCATCCTGG TACTGTGCCT
1751 CCGACTCCTG CAGTCTCGCT GCCCCACGCGT CCTGCCGAAG AAACCTCCAGA
1801 ACTGGAACCTT CCTGCCGCTG TGGATGCGCT CGCTGAAGCC CTGGGATGCC
1851 GTCGTCTCCA AGTCACCGG CTGCTCCAG ATGCGCTGCT GCTGCTGCTG
1901 CCGCGTGTG TGCCCGCGGT GCTGCTTGCT GTGTGGCTGC CCCAAGTGCT
1951 GCGCGTGCAG CAAGTGCTGC GAGGACTTGG AGGAGGCGCA GGAGGGGCAG
2001 GATGTCCCTG TCAAGGCTCC TGAGACCTTT GATAACATAA CCATTAGCAG
2051 AGAGGCTCAG GGTGAGGTCC CTGCCTCGGA CTCAAAGACC GAATGCACGG
2101 CCTTGAGGG GACGCCCAAG ATTGTAGGG ATGGGGGGAT GGTCTTGAG
2151 TTTTGATGC TCTCCTCCCT CCCACTTCTG CACCCCTTCA CCACCTCGAG
2201 GAGATTGCT CCCCATTAGC GAATGAAATT GATGCAGTCC TACCTAACTC
2251 GATTCCCTT GGCTGGTGG GTAGGCCGT AGGGCACTTT TATTCCAACC
2301 CCTGGTCACT CAGTAATCTT TTACTCCAGG AAGGCACAGG ATGGTACCTA
2351 AAGAGAATTA GAGAATGAAC CTGGCGGGAC GGATGTCTAA TCCTGCACCT
2401 AGCTGGTGTG GTCAAGTAGAA CCTATTTCAG GACTCAAAAA CCATCTTCAG
2451 AAAGAAAAGG CCCAGGGAAAG GAATGTATGA GAGGCTCTCC CAGATGAGGA
2501 AGTGTACTCT CTATGACTAT CAAGCTCAGG CCTCTCCCTT TTTTAAACC
2551 AAAGTCTGGC AACCAAGAGC AGCAGCTCCA TGGCCTCCCTT GCCCAGATC
2601 AGCCTGGTC AGGGGACATA GTGTCAATTGT TTGGAAACTG CAGACCACAA

FIG. 2ii

2651 GGTGTGGGTC TATCCCAC TT CCTAGTGCTC CCCACATTCC CCATCAGGGC
2701 TTCCTCACGT GGACAGGTGT GCTAGTCCAG GCAGTTCACT TGCAGTTCC
2751 TTGTCCTCAT GCTTCGGGGA TGGGAGGCCAC GCCTGAAC TA GAGTTCAGGC
2801 TGGATACATG TGCTCACCTG CTGCTCTTGT CTTCCTAAGA GACAGAGAGT
2851 GGGGCAGATG GAGGAGAAGA AAGTGAGGAA TGAGTAGCAT AGCATTCTGC
2901 CAAAAGGGCC CCAGATTCTT AATTAGCAA ACTAAGAACG CCAATTCAA
2951 AGCATTGTGG CTAAAGTCTA ACGCTCCTCT CTTGGTCAGA TAACAAAAGC
3001 CCTCCCTGTT GGATCTTTG AAATAAAACG TGCAAGTTAT CCAGGCTCGT
3051 AGCCTGCATG CTGCCACCTT GAATCCCAGG GAGTATCTGC ACCTGGAATA
3101 GCTCTCCACC CCTCTCTGCC TCCTTACTTT CTGTGCAAGA TGACTTCCTG
3151 GGTAACTTC CTTCTTCCA TCCACCCACC CACTGGAATC TCTTCCAAA
3201 CATTTTCCA TTTTCCCACA GATGGGCTTT GATTAGCTGT CCTCTCTCCA
3251 TGCCTGAAA GCTCCAGATT TTTGGGGAAA GCTGTACCCA ACTGGACTGC
3301 CCAGTGAAC TGGATCATTG AGTACAGTCG AGCACACGTG TGTGCATGGG
3351 TCAAAGGGT GTGTTCCCTC TCATCCTAGA TGCCCTCTCT GTGCCTTCCA
3401 CAGCCTCCTG CCTGATTACA CCACTGCCCG CGCCCCACCC TCAGCCATCC
3451 CAATTCTTCC TGGCCAGTGC GCTCCAGCCT TATCTAGGAA AGGAGGAGTG
3501 GGTGTAGCCG TGCAAGAAGA TTGGGGCCTC CCCCATCCC GCTTCTCCAC
3551 CATCCCAGCA AGTCAGGATA TCAGACAGTC CTCCCCGTAC CCTCCCCCTT
3601 GTAGATATCA ATTCCCAAAC AGAGCCAAAT ACTCTATATC TATAGTCACA
3651 GCCCTGTACA GCATTTTCA TAAGTTATAT AGTAAATGGT CTTCTAGTGC
3701 TCTCATTGGA AAATGAGGCA GGCTTCTCT ATGAAATGTA AAGAAAGAAA
3751 CCACCTTGTA TATTTGTAA TACCACCTCT GTGGCCATGC CTGCCCCGCC
3801 CACTCTGTAT ATATGTAAGT TAAACCCGGG CAGGGGCTGT GGCGGTCTTT
3851 GTACTCTGGT GATTTTAGA AATTGAATCT TTGTACTTGC ATTGATTGTA
3901 TAATAATTTC GAGACCAAGGT CTCGCTGTGT TGCTCAGGCT GGTCTCAAAC
3951 TCCTGAGATC AAGCAATCCG CCCACCTCAG CCTCCCAAAG TGCTGAGATC
4001 ACAGGCCTGA GCCACCACCA GGCTGATTG TAATTTTTT TTTTTTTTT
4051 TTTACTGGTT ATGGGAAGGG AGAAATAAAA TCATCAAACC CAAAAAA
4101 AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAA (SEQ ID NO:02)